

## “why chickens cross the road?”

Foo Hooi Ling  
Loh Teck Chwen  
Raha Abdul Rahim  
Rosfarizan Mohamad  
Ooi May Foong

Q: Why chickens cross the road?

A: To get to the other side.

Q: Why chickens need to get to the other side?

A: To look for better feed.

Can chickens grow “happily” depending solely on basal feed? The answer is “No”. Antibiotics have been used extensively as feed additives to improve growth performance, feed efficiency and disease prevention for broilers and other farming animals. However, the excessive use of antibiotics may result in accumulation of antibiotic residues in animal products and environment and hence poses a potential threat to consumers and nature. Therefore, there is an urgent need to find and use a naturally derived feed additive. POSTBIOTIC, the metabolites produced naturally by lactic acid bacteria have been proven to be an effective alternative feed additive. Various studies have shown that postbiotic possesses prominent beneficial effects, whereby the growth performance and overall gut health of broilers and layers were improved when it was supplemented in feed. The postbiotic also exhibit broad inhibition towards various disease-causing foodborne pathogens such as *Escherichia coli*, *Salmonella typhimurium*, *Listeria monocytogenes* and Vancomycin Resistant Enterococci (VRE). In addition, the reduction of cholesterol levels were observed in the broilers as well as in the egg yolk produced by the laying hens fed with postbiotic. Hence, the postbiotic has a vast potential to be employed as feed additives to warrant a good quality poultry and layer products for consumers.

